

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number
WO 01/00502 A1

(51) International Patent Classification⁷: **B65D 77/06**

(21) International Application Number: PCT/NL00/00456

(22) International Filing Date: 29 June 2000 (29.06.2000)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1012474 29 June 1999 (29.06.1999) NL

(71) Applicant (for all designated States except US):
HEINEKEN TECHNICAL SERVICES B.V. [NL/NL];
Postbus 510, NL-2380 BB Zoeterwoude (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VAN BAAL**,
Patrick, Michael [NL/NL]; 4e Binnenvestgracht 10,

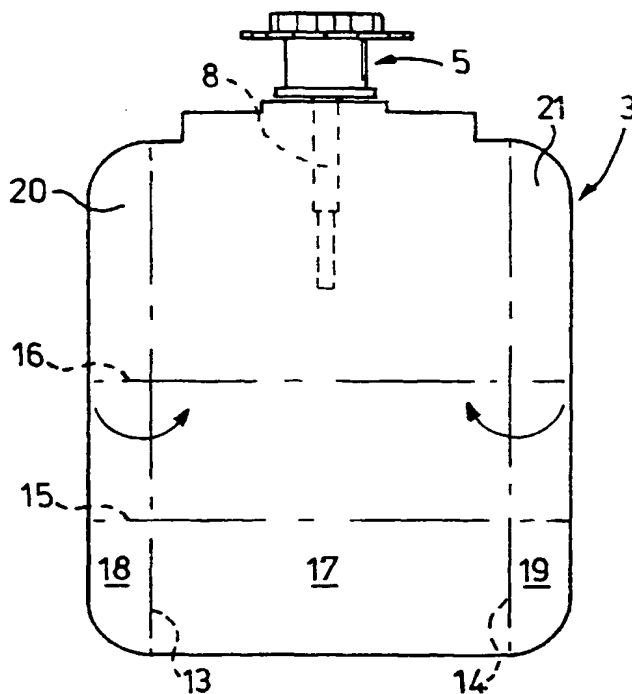
NL-2311 WT Leiden (NL). **HEESEMAN**, Erwin [NL/NL]; Jan Philipsweg 30, NL-2802 NZ Gouda (NL). **HOEK**, Manfred [NL/NL]; Cornelis Kraanstraat 41, D-3056 HD Rotterdam (NL). **VAN DER KLAUW**, Ronald, Marius, Johannes, Albertus [NL/NL]; Baarslaan 23, NL-2215 XJ Voorhout (NL). **KUYVENHOVEN**, Cor [NL/NL]; Agaatlaan 247, NL-2332 RA Leiden (NL). **MENSEN**, Henricus, Willibrordus, Wilhelmus [NL/NL]; Haagweg 169, NL-2324 ND Leiden (NL). **SNIJDERS**, Manon, Elisabeth, Hendrika [NL/NL]; Condorhorst 96, NL-2317 AV Leiden (NL). **TIMP**, Piet-Hein, Willem [NL/NL]; Rhodondendronplein 10, NL-2106 BD Heemstede (NL).

(74) Agent: **JORRITSMA, Ruurd**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,

[Continued on next page]

(54) Title: FLEXIBLE CONTAINER MADE OF FILM MATERIAL AND FILLING METHOD FOR FILLING SUCH A CONTAINER WITH A FLUID SUBSTANCE



(57) Abstract: The application relates to a flexible container (3) made of film material for containing drinks, comprising a fill opening as well as film storage means which delimit a first compartment and a second compartment (17, 18, 19) of the container and which release a second compartment (18, 19) when a predetermined degree of filling of the first compartment (17) is reached. By means of the film storage means, which, for example, can be formed by folding the side strips (20, 21) double in the longitudinal direction and holding them in place with the aid of adhesive tape, adhesive or fusion welding of the film material, uniform filling of the first compartment can be obtained, the flexible container largely remaining out of contact with the walls of the surrounding outer container. When the first compartment (17) has been filled the film storage means are released by the increase in the fill pressure and the second compartment (18, 19) can be filled so that uniform contact of the flexible container with the wall of the outer, rigid container is obtained. Using the flexible container and using the filling method according to the present invention high fill rates can be achieved and stresses are prevented from becoming too high in certain sections of the flexible container.

WO 01/00502 A1